HP Designjet 820 MFP

Technical specifications

Print	
Print Speed	90 sec D/A1 line drawings on HP Bright white Inkjet media, 85 ft2/hr (7.9 m2/hr) color image on HP Coated media in fast mode
Print Resolution Maximum	2400 x 1200 dpi (on HP Premium Photo Paper)
Technology	HP Color Thermal Inkjet
Technology resolution	HP Color Layering Technology
Print cartridge colors	Black, cyan, magenta, yellow
Ink types	Pigment-based black, dye-based color
Ink drop	18 pl (black ink), 4 pl (color inks)
Scan	
Scan speed	Color (200 dpi): 1.5 in/sec (38 mm/sec), black & white (200 dpi): 5 in/sec (127 mm/sec)
Scan/Copy resolution	**Best mode:** color and black & white 300 x 300 dpi
	Draft mode: color and black & white 200 x 200 dpi
	Normal mode: color and black & white 200 x 200 dpi
	Enhanced mode: 2400 x 2400 dpi with variable resolution settings from 50 dpi in increments of 1 dpi
Maximum scan width	42 in (1067 mm)
Maximum scan thickness	0.6 in (15.2 mm)
Copy	
Reduction/Enlargement	1 to 10000%
Maximum copies	99 copies
Copier settings	Type of original, image crop and align preview, lightness, saturation and RGB controls, sharpen/blur, mirror copy, enlarge/reduce, paneling, tiling, nesting, accounting
Media Handling	**Printer:** Single-sheet feed, roll feed, automatic cutter, standard bin
	Scanner: Straight-through scan paper path for sheet and cardboard originals, servo assisted media thickness adjustment
Media types	**Printer:** Bright white inkjet paper (bond), translucent bond, natural tracing paper, vellum, clear film, matte film, coated paper, heavyweight coated paper, high-gloss photo paper, semi-gloss photo paper, paper-based semi-gloss, satin poster paper, studio canvas, banners with Tyvek, colorfast adhesive vinyl.
	Scanner: Non-abrasive paper, vellum, mylar, sepia, blueprints, plastic film, plastic laminate, foam board, cardboard. (No plywood, stone plates, metal plates or abrasive, dirty, rough, sharp edged, metal clamped, burned surfaces, transparencies.)
Processing & Memory	Pentium IV, 2.6 Ghz, 1 GB memory, 23 GB hard disk. **Printer:** 160 MB. **Scanner:** 1 GB
Connectivity	
Interfaces standard	**Printer:** Centronics parallel IEEE 1284-compliant (ECP), HP Jetdirect WIO 10/100 Internal Print Server
	Scanner: Fast Ethernet 10/100 Base-TX
Drivers (included)	**Printer:** Microsoft® Windows® 95, 98, Me, NT 4.0, 2000, Macintosh OS 8.1 or later, AutoCAD™ 2000, R 13, R 14, for Windows.
	Scanner: Microsoft Windows drivers for HP Designjet 500, 800, 1000, 4000, 4500, 5000 and 5500 series printers
Print Languages	Adobe® PostScript® 3™, HP-GL/2, HP RTL, CALS G4
Dimensions (w x d x h)	
MFP	80.1 x 40.9 x 63.0 in/2034 x 1040 x 1600 mm
Printer shipping	85.8 x 28.7 x 43.7 in/2180 x 730 x 1110 mm
Scanner shipping	74.8 x 26.7 x 61.6 in/1900 x 680 x 1565 mm
Weight	
MFP	404.5 lb/183.47 kg
Printer shipping	216 lb/98 kg
Scanner shipping	370.3 lb/168 kg
What's in the box	HP Designjet 820 MFP including printer, scanner, touch screen, keyboard, built-in HP Jetdirect 620n network card, additional Fast Ethernet 10/100 Base-TX, printer and scanner stands, media bin, spindle, power cords, ink cartridges, printheads, roll of media, print/scan/copy software, HP Macroinstaller with Microsoft® Windows® drivers for HP Designjet 500, 800, 1000 and 5000 series printers, HP-GL/2, AutoCAD™ and PostScript® drivers for Windows®, PostScript driver for Macintosh, ZEHRaster Plus for UNIX®, system recovery software CD, Quick Reference Guide, Setup Poster, user documentation CD (interface cables must be ordered separately)

Environmental ranges	
Recommended operating temperature	64 to 90° F/ 18 to 32° C
Storage temperature	-4 to 131° F/ -20 to 55° C
Operating humidity range	20 to 80% RH
Recommended humidity range	25 to 75% RH
Acoustic	
Sound pressure, active	46 dB(A)
Sound pressure, standby	42 dB(A)
Sound power, active	6.9 B(A)
Sound power, standby	5.8 B(A)
Power consumption	330 watts maximum
Power requirements	
Printer	Input voltage 100 to 240 VAC (+/- 10%), auto range, 50/60 Hz, 8 amp maximum
Scanner	100 to 240 VAC (+/- 10%), auto range, 50/60 Hz, 5 amp maximum
Certification	
Safety certification	Compliant with ITE requirements including EU LVD and EN60950, UL or CSA certified for US and Canada, and others.
Electromagnetic compatibility	Compliant with Class A ITE requirements including EU (EMC Directive), USA (FCCrules), Canada (DoC), Australia (ACA), New Zealand (MoC), Japan (VCCI)
Energy Star compliant	Yes (printer only)
Warranty	One-year, next-business-day, on-site warranty

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Adobe PostScript 3

Ordering information

Product	
Q6685A	HP Designjet 820 MFP
Accessories	
C2390A	42 in Spindle
C2951A	1EEE 1284 cable (a-b) 3 meter
Print cartridges	
C4844AE	HP 10 Black
C4911A	HP 82 Cyan
C4912A	HP 82 Magenta
C4913A	HP 82 Yellow
Printheads	
C4810A	HP 11 Black
C4811A	HP 11 Cyan
C4812A	HP 11 Magenta
C4813A	HP 11 Yellow
Media supplies	
C6020B	HP Coated Paper (36 in/914 mm)
C6569C	HP Heavyweight Coated Paper (42 in/1067 mm)
Q1406A	HP Universal Coated Paper (42 in/1067 mm)
C3559A	HP Translucent Bond (36 in/914 mm)
C875A	HP Clear Film (36 in/914 mm)
51642B	HP Matte Film (36-in/914 mm)
C6775A	HP Colorfast Adhesive Vinyl (36 in/914 mm)
C1861A	HP Bright White Inkjet Bond Paper (36 in/914 mm) (NA, LAR, EMEA, AP)
C6787A	HP Banners with Tyvek® (36 in/914 mm)
C3868A	HP Natural Tracing Paper (36 in/914 mm)
C6565A	HP High-Gloss Photo Paper (42 in/1067 mm) (NA, LAR, ASIA, EMEA)
C6563A	HP Semi-Gloss Photo Paper (42 in/1067mm) (NA, EMEA, AP)
C6771A	HP Studio Canvas (36 in/914 mm) (NA, LAR, AP)
C3861A	HP Vellum (36 in/914 mm) (NA, LAR)
Service & Support care packs:	
HP Support pack next-day onsite repair (three-year)	
Post warranty next-day onsite repair (one-year)	
Installation including network configuration	

For more information, visit our website at
www.hp.com/go/designjet

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